

With conventional molded door skins, the veneers and overlays applied to such skins do not provide an appearance of having separate stiles and rails. This is because the pattern of the veneer or overlay, such as a paper overlay, foil, or the like, is oriented in one direction on the entire visible surface of the door skin. In that event, the wood grain pattern runs parallel to the stiles, but perpendicular to the rails because the rails and stiles are oriented at a 90° angle. Therefore, the door does not present an appearance of being a solid hardwood door having separate stiles and rails, which is desirable to consumers.

In an attempt to overcome this problem, some methods provide for positioning separate pieces of veneer or paper overlay, so that the pattern on the veneer or overlay may be oriented as desired. For example, pieces of veneer corresponding to the size of the rails are positioned on the blank at positions corresponding to the rails. However, the overlays must be carefully aligned, thereby increasing time and cost in door manufacture. Furthermore, even if the overlay is properly aligned, the overlay may not be secured onto the blank consistently. In addition, a specific die set for molding the blanks is required for each door skin configuration.

In one attempt to provide a door having an appearance of separate stiles and rails, a groove is routed from a main panel, forming stiles and a raised infill panel. Rails are then secured to receiving surfaces adjacent the simulated raised infill panel. Although the appearance of the door produced therefrom is improved, it is not cost efficient. The rails are positioned on predetermined receiving surfaces adjacent the raised infill panel. Therefore, any variations in panel configuration require that a new blank and routing pattern be utilized. If the main panel is molded, multiple die sets are again required for